

IN THE CLAIMS

Please cancel claims 13 and 27 without prejudice or disclaimer, and amend claims 2 thru 12, 14, 16 thru 26 and 28, as follows:

---

1           1. (Original)    A method for setting a print location for printing by a printer,  
2    comprising the steps of:  
3           determining whether a print location setting command for setting a print location  
4    for printing by the printer is input;  
5           outputting a print location setting menu screen for setting the print location for  
6    printing by the printer when the print location setting command is input;  
7           inputting print location information for setting the print location for printing by  
8    the printer for entry in the print location setting menu screen; and  
9           storing the input print location information entered in the print location setting  
10   menu screen in a memory.

1           2. (Currently Once Amended)   The method of claim 1, ~~further comprised of~~ the  
2   print location setting menu screen comprising an input window for inputting at least  
3   coordinate information about a starting point and an end point of the print location for  
4   setting the print location for printing by the printer.

1           3. (Currently Once Amended)   The method of claim 2, ~~further comprised of~~ the

2 print location setting menu screen further comprising a cursor input window for setting  
3 the print location information to default values.

1 4. (Currently Once Amended) The method of claim 3, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that edge boundary screen  
3 information for a printing medium and print boundary screen information for a print  
4 location area for printing on the printing medium are displayed together on the print  
5 location setting menu screen, with the print boundary screen information being changed  
6 according to the input print location information.

1 5. (Currently Once Amended) The method of claim 4, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that the print boundary screen  
3 information is respectively changed in X-axis and Y-axis directions by using a print  
4 location adjustment cursor.

1 6. (Currently Once Amended) The method of claim ~~[[4]] 1~~, ~~further comprised of~~  
2 the print location setting menu screen further comprising a cursor input window for  
3 setting the print location information to default values.

1 7. (Currently Once Amended) The method of claim 1, ~~further comprised of the~~  
2 print location setting menu screen being programmed such that edge boundary screen

information for a printing medium and print boundary screen information for a print location area for printing on the printing medium are displayed together on the print location setting menu screen, with the print boundary screen information being changed according to the input print location information.

8. (Currently Once Amended) The method of claim 7, ~~further comprised of the~~ print location setting menu screen being programmed such that the print boundary screen information is respectively changed in X-axis and Y-axis directions by using a print location adjustment cursor.

9. (Currently Once Amended) [[A]] The method of claim 1, further comprising the step of:

adjusting the print location for printing by the printer, comprising the steps of:


receiving the print location information about the print location for printing on a printing medium by the printer and margin information about margins for printing on the printing medium from a computer;

determining the print location for printing on the printing medium using the print location information and the margin information; and

controlling the position of a printer head for printing on the printing medium according to the print location determined in the step for determining the print location.

1           10. (Currently Once Amended) The method of claim 9, ~~further comprised of the~~  
2 step for determining the print location comprising the steps of:

3           determining an X-axis lower limit  $X_s$  by adding a left margin value  $M_l$  contained  
4 in the margin information to an X-axis minimum value  $X_{min}$  contained in the print  
5 location information, and determining an X-axis upper limit  $X_e$  by subtracting a right  
6 margin value  $M_r$  contained in the margin information from an X-axis maximum value  
7  $X_{max}$  contained in the print location information;

8           determining a Y-axis lower limit  $Y_s$  by adding a top margin value  $M_t$  contained in  
9  the margin information to a Y-axis minimum value  $Y_{min}$  contained in the print location  
10 information, and determining a Y-axis upper limit  $Y_e$  by subtracting a bottom margin  
11 value  $M_b$  contained in the margin information from an Y-axis maximum value  $Y_{max}$   
12 contained in the print location information;

13           comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$  and  
14 comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ , respectively;

15           selectively changing the margins respectively according to a predetermined rule  
16 when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis upper limit  
17  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ ;  
18 and

19           determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$  as the  
20 respective X-axis and Y-axis coordinate values of a print starting point  $X_{st}$ ,  $Y_{st}$  when the

21 X-axis lower limit  $X_s$  is less than the X-axis upper limit  $X_e$  and when the Y-axis lower  
22 limit  $Y_s$  is less the Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater  
23 than or equal to the X-axis upper limit  $X_e$ , determining an X-axis coordinate value  $X_{st}$  of  
24 the print starting point by adding the X-axis minimum value  $X_{min}$  to a changed left  
25 margin value  $Ml'$  determined in the selectively changing the margins step, and when the  
26 Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$  determining a  
27 Y-axis coordinate value  $Y_{st}$  of the print starting point by adding the Y-axis minimum  
28 value  $Y_{min}$  to a changed top margin value  $Mt'$  determined in the selectively changing the  
29 margins step, respectively.

A1

1 11. (Currently Once Amended) The method of claim 10, ~~further comprised of~~  
2 wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis  
3 upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper  
4 limit  $Y_e$ , the margins are initialized to a zero position according to the predetermined  
5 rule.

1 12. (Currently Once Amended) A method of adjusting a print location for  
2 printing by a printer, comprising the steps of:  
3 receiving print location information about a print location for printing on a  
4 printing medium by the printer and margin information about margins for printing on the  
5 printing medium from a computer;

6 determining the print location for printing on the printing medium using the print  
7 location information and the margin information; and

8 controlling the position of a printer head for printing on the printing medium  
9 according to the print location determined in the step for determining the print location;

10 wherein the step for determining the print location comprises the steps of:

11 determining an X-axis lower limit  $X_s$  by adding a left margin value  
12  $M_l$  contained in the margin information to an X-axis minimum value  $X_{min}$   
13 contained in the print location information, and determining an X-axis  
14 upper limit  $X_e$  by subtracting a right margin value  $M_r$  contained in the  
15 margin information from an X-axis maximum value  $X_{max}$  contained in the  
16 print location information;

17 determining a Y-axis lower limit  $Y_s$  by adding a top margin value  $M_t$   
18 contained in the margin information to a Y-axis minimum value  $Y_{min}$   
19 contained in the print location information, and determining a Y-axis upper  
20 limit  $Y_e$  by subtracting a bottom margin value  $M_b$  contained in the margin  
21 information from an Y-axis maximum value  $Y_{max}$  contained in the print  
22 location information;

23 comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$   
24 and comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ ,  
25 respectively;

26 selectively changing the margins respectively according to a

27 predetermined rule when any of the X-axis lower limit  $X_s$  is greater than or  
28 equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater  
29 than or equal to the Y-axis upper limit  $Y_e$ ; and

30 determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$   
31 as the respective X-axis and Y-axis coordinate values of a print starting  
32 point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the X-axis upper  
33 limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the Y-axis upper  
34 limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or equal to the  
35 X-axis upper limit  $X_e$ , determining an X-axis coordinate value  $X_{st}$  of the  
36 print starting point by adding the X-axis minimum value  $X_{min}$  to a changed  
37 left margin value  $M_l'$  determined in the selectively changing the margins  
38 step, and when the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
39 axis upper limit  $Y_e$  determining a Y-axis coordinate value  $Y_{st}$  of the print  
40 starting point by adding the Y-axis minimum value  $Y_{min}$  to a changed top  
41 margin value  $M_t'$  determined in the selectively changing the margins step,  
42 respectively.

Claim 13. (Canceled)

1 14. (Currently Once Amended) The method of claim [[13]] 12, **further**  
2 ~~comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to

3 the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
4 axis upper limit  $Y_e$ , the margins are initialized to a zero position according to the  
5 predetermined rule.

1 15. (Original) An apparatus for setting a print location for printing by a printer,  
2 comprising :

3 means for determining whether a print location setting command for setting a print  
4 location for printing by the printer is input;

5 means for outputting a print location setting menu screen for setting the print  
6 location for printing by the printer when the print location setting command is input;

7 means for inputting print location information for setting the print location for  
8 printing by the printer and for entering the input print location information in the print  
9 location setting menu screen; and

10 means for storing the input print location information entered in the print location  
11 setting menu screen.

1 16. (Currently Once Amended) The apparatus of claim 15, ~~further comprised of~~  
2 the print location setting menu screen comprising an input window for inputting at least  
3 coordinate information about a starting point and an end point of the print location for  
4 setting the print location for printing by the printer.



1           17. (Currently Once Amended)   The apparatus of claim 16, ~~further comprised of~~  
2   the print location setting menu screen further comprising a cursor input window for  
3   setting the print location information to default values.

1           18. (Currently Once Amended)   The apparatus of claim 17, ~~further comprised of~~  
2   the print location setting menu screen being programmed such that edge boundary screen  
3   information for a printing medium and print boundary screen information for a print  
4   location area for printing on the printing medium are displayed together on the print  
5   location setting menu screen, with the print boundary screen information being changed  
6   according to the input print location information.

1           19. (Currently Once Amended)   The apparatus of claim 18, ~~further comprised of~~  
2   the print location setting menu screen being programmed such that the print boundary  
3   screen information is respectively changed in X-axis and Y-axis directions by using a  
4   print location adjustment cursor.

1           20. (Currently Once Amended)   The apparatus of claim 15, ~~further comprised of~~  
2   the print location setting menu screen further comprising a cursor input window for  
3   setting the print location information to default values.

1           21. (Currently Once Amended)   The apparatus of claim 15, ~~further comprised of~~

2 the print location setting menu screen being programmed such that edge boundary screen  
3 information for a printing medium and print boundary screen information for a print  
4 location area for printing on the printing medium are displayed together on the print  
5 location setting menu screen, with the print boundary screen information being changed  
6 according to the input print location information.

1 22. (Currently Once Amended) The apparatus of claim 21, ~~further comprised of~~  
2 the print location setting menu screen being programmed such that the print boundary  
3 screen information is respectively changed in X-axis and Y-axis directions by using a  
4 print location adjustment cursor.

1 23. (Currently Once Amended) [[An]] The apparatus of claim 15, further  
2 comprising:

3 means for adjusting the print location for printing by the printer, the means for  
4 adjusting comprising:

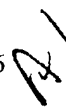
5 means for receiving the print location information about the print location  
6 for printing on a printing medium by the printer and margin information about  
7 margins for printing on the printing medium from a computer;

8 means for determining the print location for printing on the printing  
9 medium using the print location information and the margin information; and

10 means for controlling the position of a printer head for printing on the

11 printing medium according to the print location determined by the means for  
12 determining the print location.

1 24. (Currently Once Amended) The apparatus of claim 23, ~~further comprised of~~  
2 the means for determining the print location[[,]] comprising:

3 means for determining an X-axis lower limit  $X_s$  that adds a left margin value  $M_l$   
4 contained in the margin information to an X-axis minimum value  $X_{min}$  contained in the  
5 print location information, and means for determining an X-axis upper limit  $X_e$  that  
6  subtracts a right margin value  $M_r$  contained in the margin information from an X-axis  
7 maximum value  $X_{max}$  contained in the print location information;

8 means for determining a Y-axis lower limit  $Y_s$  that adds a top margin value  $M_t$   
9 contained in the margin information to a Y-axis minimum value  $Y_{min}$  contained in the  
10 print location information, and means for determining a Y-axis upper limit  $Y_e$  that  
11 subtracts a bottom margin value  $M_b$  contained in the margin information from an Y-axis  
12 maximum value  $Y_{max}$  contained in the print location information;

13 means for comparing the X-axis lower limit  $X_s$  with the X-axis upper limit  $X_e$  and  
14 means for comparing the Y-axis upper limit  $Y_e$  with the Y-axis lower limit  $Y_s$ ,  
15 respectively;

16 means for selectively changing the margins respectively according to a  
17 predetermined rule when any of the X-axis lower limit  $X_s$  is greater than or equal to the  
18 X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis

upper limit  $Y_e$ ; and

means for determining the X-axis lower limit  $X_s$  and the Y-axis lower limit  $Y_s$  as the respective X-axis and Y-axis coordinate values of a print starting point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the X-axis upper limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or equal to X-axis upper limit  $X_e$ , means for determining an X-axis coordinate value  $X_{st}$  of the print starting point that adds the X-axis minimum value  $X_{min}$  to a changed left margin value  $Ml'$  determined by the means for selectively changing the margins, and when the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , means for determining a Y-axis coordinate value  $Y_{st}$  of the print starting point that adds the Y-axis minimum value  $Y_{min}$  to a changed top margin value  $Mt'$  determined by the means for selectively changing the margins.

25. (Currently Once Amended) The apparatus of claim 24, ~~further comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , ~~means for initializing the margins~~ are initialized to a zero position according to ~~[[the]]~~ a predetermined rule.

26. (Currently Once Amended) An apparatus for adjusting a print location for printing by a printer, comprising:

means for receiving print location information about a print location for printing on a printing medium by the printer and margin information about margins for printing on a printing medium from a computer;

means for determining the print location for printing on the printing medium using the print location information and the margin information; and

means for controlling the position of a printer head for printing on the printing medium according to the print location determined by the means for determining the print location;

wherein the means for determining the print location comprises:

means for determining an X-axis lower limit  $X_s$  that adds a left margin value  $M_l$  contained in the margin information to an X-axis minimum value  $X_{min}$  contained in the print location information, and means for determining an X-axis upper limit  $X_e$  that subtracts a right margin value  $M_r$  contained in the margin information from an X-axis maximum value  $X_{max}$  contained in the print location information;

means for determining a Y-axis lower limit  $Y_s$  that adds a top margin value  $M_t$  contained in the margin information to a Y-axis minimum value  $Y_{min}$  contained in the print location information, and means for determining a Y-axis upper limit  $Y_e$  that subtracts a bottom margin value  $M_b$  contained in the margin information from an Y-axis maximum value  $Y_{max}$  contained in the print location information;

24 means for comparing the X-axis lower limit  $X_s$  with the X-axis  
25 upper limit  $X_e$  and means for comparing the Y-axis upper limit  $Y_e$  with the  
26 Y-axis lower limit  $Y_s$ , respectively;

27 means for selectively changing the margins respectively according to  
28 a predetermined rule when any of the X-axis lower limit  $X_s$  is greater than  
29 or equal to the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is  
30 greater than or equal to the Y-axis upper limit  $Y_e$ ; and

31 means for determining the X-axis lower limit  $X_s$  and the Y-axis  
32 lower limit  $Y_s$  as the respective X-axis and Y-axis coordinate values of a  
33 print starting point  $X_{st}$ ,  $Y_{st}$  when the X-axis lower limit  $X_s$  is less than the  
34 X-axis upper limit  $X_e$  and when the Y-axis lower limit  $Y_s$  is less than the  
35 Y-axis upper limit  $Y_e$ , and when the X-axis lower limit  $X_s$  is greater than or  
36 equal to the X-axis upper limit  $X_e$ , means for determining an X-axis  
37 coordinate value  $X_{st}$  of the print starting point that adds the X-axis  
38 minimum value  $X_{min}$  to a changed left margin value  $Ml'$  determined by the  
39 means for selectively changing the margins, and when the Y-axis lower  
40 limit  $Y_s$  is greater than or equal to the Y-axis upper limit  $Y_e$ , means for  
41 determining a Y-axis coordinate value  $Y_{st}$  of the print starting point that  
42 adds the Y-axis minimum value  $Y_{min}$  to a changed top margin value  $Mt'$   
43 determined by the means for selectively changing the margins.

Claim 27. (Canceled)

1           28. (Currently Once Amended)   The apparatus of claim [[27]] 26, further  
2 ~~comprised of~~ wherein, when any of the X-axis lower limit  $X_s$  is greater than or equal to  
3 the X-axis upper limit  $X_e$  and the Y-axis lower limit  $Y_s$  is greater than or equal to the Y-  
4 axis upper limit  $Y_e$ , ~~means for initializing~~ the margins are initialized to a zero position  
5 according to [[the]] a predetermined rule.

---